

Amendments To the Claims:

Please amend the claims as shown.

1.-8. (cancelled)

9. (new) A method for non-destructive testing of a main body, comprising:  
determining an area of corrosion on the main body by an eddy-current measurement using  
at least two different measuring frequencies (f) to ascertain the thickness of the corroded areas.

10. (new) A method in accordance with Claim 9, wherein a low frequency (f) is used first  
and then a high frequency (f) is used subsequently.

11. (new) A method in accordance with Claim 9, wherein the frequency (f) of a low  
frequency (f) is changed to a high frequency (f).

12. (new) A method in accordance with Claim 9, wherein the near-surface oxidated carbides  
is determined as corroded areas of a main body.

13. (new) A method in accordance with Claim 9, wherein the near-surface sulfidized areas of  
a main body are determined as corroded areas.

14. (new) A method in accordance with Claim 9, wherein the main body is a nickel- or  
cobalt-based superalloy.

15. (new) A method for the cast manufacture of a gas turbine blade with a main body,  
comprising:  
cleaning the surface of the main body;  
activating the surface of the main body for an application of an anti-corrosive coating;  
applying the anti-corrosive coating; and  
testing the surface for the presence of oxide areas of oxidated carbides using eddy-current  
measurement after the casting and before the cleaning and activating.

16. (new) A method in accordance with Claim 15, wherein the main body is a nickel- or cobalt-based superalloy.
17. (new) A method in accordance with Claim 15, wherein the protective coating is a MCrAlY type of alloy, wherein M being selected from the (Fe, Co, Ni) group, Cr chrome, Al aluminum and Y from the (Y, La, rare earths) group.
18. (new) A method in accordance with Claim 10, wherein the frequency (f) of a low frequency (f) is changed to a high frequency (f).
19. (new) A method in accordance with Claim 12, wherein the main body is a nickel- or cobalt-based superalloy.
20. (new) A method in accordance with Claim 13, wherein the main body is a nickel- or cobalt-based superalloy.
21. (new) A method for non-destructive testing of a carbide-containing alloy comprising: determining near-surface oxide areas of oxidated carbides by means of eddy-current measurement.
22. (new) A method in accordance with Claim 21, wherein the alloy is a nickel- or cobalt-based superalloy.
23. (new) method in accordance with Claim 21, wherein the carbide-containing alloy is part of a main body.
24. (new) method in accordance with Claim 23, wherein the main body is a gas turbine component.

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25. (new) method in accordance with Claim 24, wherein the gas turbine component is a gas turbine blade.

26. (new) A method in accordance with Claim 9, wherein the main body is a gas turbine component.

27. (new) A method in accordance with Claim 26, wherein the gas turbine component is a gas turbine blade.

28. (new) A method in accordance with Claim 9, providing the results of the eddy-current measurement to an evaluation unit.